

## PATENT ABSTRACTS OF JAPAN

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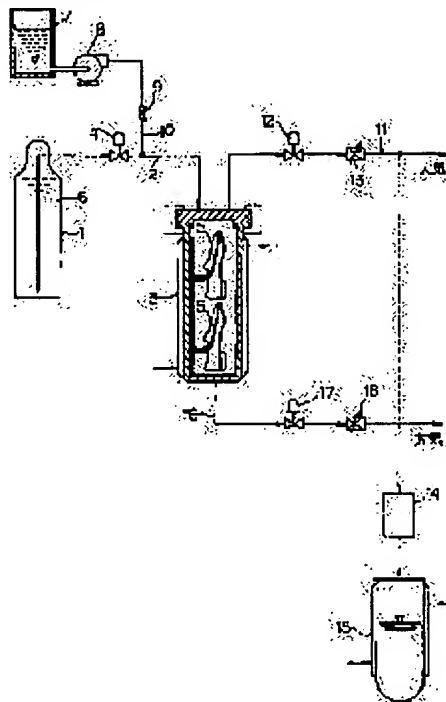
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## (54) CLEANING METHOD USING SUPERCRITICAL AND SUBCRITICAL FLUID

## (57)Abstract:

PURPOSE: To clean even a material difficult to clean such as a shoe by further increasing the power of a supercritical fluid having an excellent dissolving power used in cleaning.

CONSTITUTION: A material 5 to be cleaned is dipped in a supercritical and subcritical fluid 6, if necessary mixed with an entrainer, in a pressure cleaner 3, and then the fluid 6 in the cleaner 3 is rapidly discharged outside the cleaner 3. Otherwise, the content volume of the cleaner 3 is rapidly increased to rapidly expand the fluid 6, hence violent turbulence is caused or a large number of bubbles are generated on the surface of a contaminant, the contaminant is forcedly released or dissolved by the flowing or bubbling action, and the material 5 is cleaned.



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